Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/10/2022 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124732	-1	1.24	124629	1.24
Blue	F	SSC	125000	122435	-3	2.53	122939	2.37
Blue	E	FITC	13602	13083	-4	2.32	365	13.43
Blue	D	PE	24891	24536	-2	1.75	582	10.64
Blue	B	PerCP-Cy5-5	33972	33179	-3	3.03	948	14.65
Blue	A	PE-Cy7	22865	22605	-2	5.00	469	30.93
Red	C	APC	47198	46209	-3	2.78	1596	11.43
Red	A	APC-Cy7	26454	25225	-5	3.22	711	12.44
Violet	B	V450	6737	6440	-5	3.73	449	11.60
Violet	A	V500	29317	27858	-5	3.35	950	8.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23911	2.39	559	24	N/A	N/A	Pass
Blue	F	SSC	55089	1.90	517	-4	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	0	0.0441	106	Pass
Blue	D	PE	113	37.53	488	2	0.3457	219	Pass
Blue	B	PerCP-Cy5-5	149	41.34	582	3	0.0208	97	Pass
Blue	A	PE-Cy7	77	82.37	625	4	0.0219	6	Pass
Red	C	APC	335	26.42	574	2	0.0292	263	Pass
Red	A	APC-Cy7	131	35.69	551	0	0.0063	1429	Pass
Violet	B	V450	76	47.52	455	5	0.0538	2169	Pass
Violet	A	V500	112	32.23	474	5	0.0233	867	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.64	-31.45	0.98
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.08	13.90 - 20.86	N/A	N/A	29.83	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13698

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments